APRIL/MAY 2025

CEL33/BEL33 — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define identifiers in a C program.

2. Write the general format of $\frac{\text{Scanf}}{\text{'Scanf'}}$ function.

3. Write the syntax of FOR statement.

4. Define Go statement.

5. Define array.

6. Write the syntax for multi dimensional array.

7. Define Pointer.

8. Define Union.

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9. Write the general format for declaring and opening a file.

10. Define preprocessor common lines.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain character set of 'C'.

Or

(b) Explain arithmetic operators in C.

12. (a) Write short notes on while statement in C.

Or

(b) Explain the simple IF statement.

13. (a) Explain one dimensional array.

Or

(b) Write short note on declaring and initializing pointers.

14. (a) Explain structure definition with example.

Or

(b) Write short notes on size of structures.

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15. (a) Explain command line parameters.

Or

(b) Write short notes on C-Preprocessor.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the different types of data types in C programme.

17. Write a C program to find the largest of the three numbers.

18. What is an array? How will you declare and initialize two-dimensional arrays?

19. What are structures? Explain in detail with examples of self-referential structures.

20. Explain in detail the opening a file and closing a file.

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